

IN THE CLAIMS:

Clean version:

F1
SV
H1

49. (Amended) A power sharing system comprising:
a primary source of AC;
an alternative primary source of DC;
a secondary source of DC;
a power controller capable of inputting power
simultaneously from said primary sources, said alternative
primary source of DC making a shared contribution of power
selected by said power controller, and delivering a constant
voltage DC to at least one DC compatible load at an output
of said power sharing system;

said power controller having means to convert inputted
electrical power into a defined DC-regulated voltage to
provide and manage power to said DC compatible load; and

said secondary source of DC being a battery to supply
power in the event of a failure in a primary source of
power, said power controller maintaining said battery in a
fully charged condition.

50. (Amended) The power system of Claim 49 wherein
said DC compatible load is a lighting system.

51. (Amended) The power system of Claim 49 wherein
said alternative primary source of DC is a storage medium.

52. (Amended) The power system of Claim 49 wherein

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F1

said alternative primary source of DC is photo voltaic.

53. (Amended) The power system of Claim 49 wherein said alternative primary source of DC is a cogenerator.

54. (Amended) The power system of Claim 49 wherein said alternative primary source of DC is a wind energy conversion system.

Cancel claim 55.

F2

56. (Amended) The power system as in Claim 49 in which said power controller has circuitry for combining power from said alternative primary source of DC and said battery in the absence of power from said primary source of AC.

Cancel claims 89 and 90 and substitute the following:

F3

115. The method of sharing power comprising the steps of:

inputting to a power controller electrical power from a primary source of AC, an alternative primary source of DC, and a secondary source of DC;

said power controller converting the inputted electrical power from said primary source of AC into a constant DC voltage, with said electrical power from said alternative primary source of DC making a shared contribution of power selected by said power controller;

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E3

said secondary source of DC backing up the delivery of electric power in the event of a failure of electrical power from said primary source of AC; and

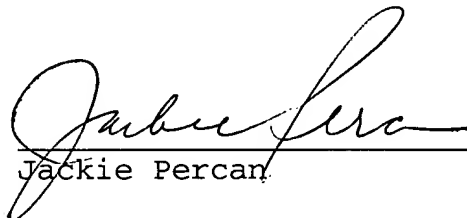
delivering said constant DC voltage to lighting ballasts.

116. The method of claim 115 in which said alternative primary source of DC is one of a photovoltaic, a cogenerator, and a wind energy conversion system.

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